Index of Claims

Application/Control No.

Reexamination

Applicant(s)/Patent under

09/894,628 Examiner

NAKAGAWA, SUSUMU Art Unit

Calvin L. Hewitt II

3621

√ Rejected
= Allowed

(Through numeral)
Cancelled

Restricted

Non-Elected

Interference

A Appeal
O Objected

| Cla  | Data     |   |  |  |  |                |              |                 |                 |          | Claim Date |          |                 |          |         |   | 7              |          | aim      | Data     |                      |            |                |                 |          |          |          |          |              |          |          |
|--|----------|---|--|--|--|----------------|--------------|-----------------|-----------------|----------|------------|----------|-----------------|----------|---------|---|----------------|----------|----------|----------|----------------------|------------|----------------|-----------------|----------|----------|----------|----------|--------------|----------|----------|
|  |          | Date  |  |  |  |                |              |                 |                 |          | -          | Date     |                 |          |         |   |                |          | - Cli    | Date     |                      |            |                |                 |          |          | 긕        |          |              |          |          |
| Final  | Original | 5/10/07   |  |  |  |                |              |                 |                 |          | Final      | Original |                 |          |         |   |                |          |          |          | Final                | Original   |                |                 |          |          |          |          |              |          |          |
|  | 1        | ✓   |  |  |  |                |              |                 |                 |          |            | 51       | П               | T        | T       | 1   |                |          | $\top$   | 7        |                      | 101        |                |                 | $\neg$   | T        | T        |          | 寸            | 7        | ╛        |
|  | 2        | ✓   |  |  |  |                |              |                 |                 |          |            | 52       | П               |          |         |   |                |          | $\neg$   | 7        |                      | 102        |                |                 | 寸        | Î        | T        |          | $\neg$       | $\neg$   | ヿ        |
|  | 3        | ✓   |  |  |  |                |              |                 |                 |          |            | 53       | П               |          |         |   |                |          |          | 7        |                      | 103        |                |                 | ヿ        | i        | 一        | 一        | T            | $\neg$   | コ        |
|  | 4        | <u> </u>  |  |  |  |                |              |                 |                 |          |            | 54       |                 |          |         |   |                |          |          |          |                      | 104        |                |                 | $\Box$   |          |          |          | $\neg$       |          | П        |
|  | 5        |   |  |  |  |                |              |                 |                 |          |            | 55       |                 |          |         |   |                |          |          |          |                      | 105        |                |                 |          |          | $\Box$   | $\Box$   | T            |          | П        |
|  | 6        | ✓   |  |  |  |                |              |                 |                 |          |            | 56       |                 |          |         |   |                |          |          |          |                      | 106        |                |                 |          | Ì        |          |          | T            | T        | ヿ        |
|  | 7        | ✓   |  |  |  |                |              |                 |                 |          |            | 57       |                 |          |         |   |                |          |          |          |                      | 107        |                |                 |          |          |          |          |              |          |          |
|  | 8        | <u> </u>  |  |  |  | <u> </u>       | _            |                 |                 |          |            | 58       |                 |          |         |   |                |          |          |          |                      | 108        |                |                 |          |          |          |          | $\Box$       | $\Box$   |          |
| <u></u>  | 9        | 1   | L  |  | _  | 匚              |              | L               | Ш               | _        |            | 59       |                 |          |         |   |                |          |          |          |                      | 109        |                |                 |          |          |          |          | $oxed{oxed}$ |          | $\Box$   |
| <u> </u>   | 10       | 1   | L  |  | $ldsymbol{f eta}$                                | Ļ.             |              |                 |                 |          |            | 60       |                 |          |         |   |                |          |          |          |                      | 110        |                |                 |          |          |          |          |              |          | $\Box$   |
|  | 11       |   |  |  |  |                |              |                 |                 |          |            | 61       | Ш               |          |         |   |                |          |          |          |                      | 111        |                |                 |          |          |          |          |              |          |          |
|  | 12       |   | _  |  | _  | L              | _            | L               | Ш               | _        |            | 62       |                 |          |         | 丄   | Ш              |          |          | _        |                      | 112        |                |                 |          |          |          |          |              |          |          |
|  | 13       | $ldsymbol{ld}}}}}}$ | <u> </u>   |  |  | _              | _            | L               | Ш               | _        |            | 63       | Ш               |          | $\bot$  |   |                |          | $\perp$  | ╛        |                      | 113        | Ш              |                 | _        | ]        |          |          | $\perp$      |          |          |
|  | 14       |   | L  |  | _  | 匚              | _            | <u> </u>        | Ш               | _        |            | 64       |                 |          |         | $oldsymbol{ol}}}}}}}}}}}}}}}}}$ | Ш              |          |          | ╛        |                      | 114        |                |                 | $\perp$  |          |          |          | $\perp$      |          |          |
| <u> </u>   | 15       | _   | _  |  | <u> </u>   | $oxed{oxed}$   |              | $oxed{igspace}$ | Щ               | _        |            | 65       | Ш               |          |         | <u> </u>  |                |          | $\perp$  | _        | L                    | 115        |                | $\Box$          | _        | _        |          |          | $\perp$      |          |          |
|  | 16       | _   | <u> </u>   |  | L  | _              |              | ╙               | Ш               | _        |            | 66       |                 |          | _       | _   | Ш              | _        |          | _        |                      | 116        |                |                 | $\dashv$ | _        |          | $\Box$   |              | $\perp$  |          |
|  | 17       | <u> </u>  | _  |  | <u> </u>   | _              |              | <u> </u>        | Ш               | _        | L          | 67       | Ш               | _        | _       | $\perp$   | Щ              |          |          | _        |                      | 117        |                |                 | _        |          | _        |          |              | $\perp$  | Ц        |
|  | 18       | _   |  |  | _  | Ļ              | L            | _               | Ш               | _        |            | 68       | Ш               |          |         | _   |                | _        | _ _      | 4        |                      | 118        |                |                 |          | _        |          |          | $\perp$      | _        |          |
|  | 19       | <u> </u>  | _  | _  |  | <u> </u>       | _            | _               | Щ               | _        | L          | 69       |                 |          | $\bot$  |   | Ш              | _        |          |          |                      | 119        |                |                 | _        |          |          |          | $\perp$      |          | 凵        |
|  | 20       | L   | _  |  | <u> </u>   | ╙              | <u> </u>     | ╙               | Ш               |          |            | 70       | Ш               | _        |         | 4_  |                | _        |          | 4        |                      | 120        |                | $\Box$          | _        |          |          |          |              | $\perp$  |          |
|  | 21       | Ļ   | _  |  | L  | <u> </u>       |              | ╙               | Щ               | _        |            | 71       | Ш               |          |         | ļ   |                | _        |          | - ↓      |                      | 121        |                | Щ               |          |          |          |          | $\perp$      | $\perp$  |          |
|  | 22       | _   | <u> </u>   |  | <u> </u>   | <u> </u>       | _            | <u> </u>        | Щ               | _        | ļ          | 72       | Ш               | _        |         | ļ   |                | $\Box$   | $\perp$  | 4        |                      | 122        |                | Ш               | _        |          |          | _        | $\perp$      | _        | _        |
|  | 23       | _   |  | _  | _  | _              | _            | _               | Ш               | _        |            | 73       | Ш               |          |         | $\perp$   | Щ              | _        |          | 4        |                      | 123        |                | $\Box$          | $\dashv$ | _        | _        | _        |              | _        |          |
|  | 24       | _   | _  | <u> </u>                                     | <u> </u>   | ┡              |              | <u> </u>        | Щ               | _        |            | 74       |                 | _        | $\perp$ | 1   | _              |          |          | 4        |                      | 124        |                | Ш               | _        | _        |          |          | _            | _        | _        |
|  | 25       | <b>-</b>  | <u> </u>   | _  | _  | ┡              | _            | <u> </u>        |                 | _        |            | 75       | $\sqcup$        |          | _       | _   | Щ              | _        |          | 4        |                      | 125        |                | Ш               | _        | _        | _        |          | 4            | _        | _        |
| <u> </u>   | 26       | <del> </del>  | ├  | <u> </u>                                     | _  | ⊢              | _            | _               | Н               | _        | <u> </u>   | 76       |                 | -        | +       | +   | _              |          |          | 4        |                      | 126        |                | $\vdash$        | $\dashv$ | 4        |          | _        | 4            | 4        | _        |
|  | 27       | -   | ⊢  | ┝  | ⊢  | -              | -            | ├               | Н               | -        | -          | 77       | $\vdash$        |          | +       | +-  | -              |          | +        | 4        |                      | 127        | Щ              | $\vdash$        |          |          |          | -        | $\dashv$     | 4        | $\dashv$ |
|  | 28<br>29 | <del> </del>  | $\vdash$   | ┝  | H  | ⊢              | -            | -               | Н               | -        |            | 78       | $\vdash$        |          | +       | +   | <u> </u>       |          | +        | -        |                      | 128        | Н              | $\vdash$        | -        |          |          | 4        | $\dashv$     | 4        | ᅴ        |
|  | 30       | -   | -  | _  | ⊢  | $\vdash$       | $\vdash$     | ⊢               |                 | $\dashv$ |            | 79       | $\vdash$        | -        | -       | ╁   | Н              | -        |          | 4        | $\vdash$             | 129        | $\Box$         | $\rightarrow$   | -        | _        |          |          |              | $\dashv$ | 긕        |
|  | 31       | ⊢   | ┝  | -  | <del> </del>                                     | ⊢              | H            | ⊢               | Н               | {        | -          | 80       | Н               |          | -       | +-  | Н              | -        |          | 4        | <u> </u>             | 130        |                | $\dashv$        | $\dashv$ | _        | -        |          | $\dashv$     | 4        | _        |
| <del></del>                                      | 32       | ⊢   | ├  | ⊢  | <del> </del>                                     | ├              | H            | ⊢               | Н               | $\dashv$ |            | 81       | Н               | +        | -       | ┿   | Н              | -        | +        | 4        |                      | 131        |                | $\dashv$        | -        |          | 4        | $\dashv$ | $\dashv$     |          | ᅴ        |
| -  | 33       |   | ├  | -  | ⊢  | ⊢              | -            | ┢               | Н               | $\dashv$ | <u> </u>   | 82<br>83 | $\vdash$        | -        | +       | ┼   |                |          | +        | 4        |                      | 132        |                | $\vdash$        |          | -        | -        | $\dashv$ | $\dashv$     | -        | $\dashv$ |
|  | 34       | ├-  | -  | $\vdash$                                     | ⊢  | ⊢              | ⊢            | ┢               | Н               | $\dashv$ | -          | 84       | -               | $\dashv$ | +       | +   | $\vdash$       | -        | +        | 4        |                      | 133        | -              | $\dashv$        |          | -        | -        | _        | $\dashv$     | -        | ᅴ        |
|  | 35       | -   | ┝  |  | ⊢  | ┢              | -            | ┢               | Н               | -        | -          |          | $\vdash$        | -        | +       | ╁   | -              | -        | +        | 4        |                      | 134        | -              | -               | -        | -        | $\dashv$ | $\dashv$ | $\dashv$     | $\dashv$ | $\dashv$ |
| <del>                                     </del> | 36       | <del>                                     </del>  | $\vdash$   | $\vdash$                                     | $\vdash$   | <del> </del>   | <del> </del> | $\vdash$        | Н               | $\dashv$ |            | 85<br>86 | $\vdash$        | +        | +-      | +   | Н              | $\dashv$ |          | $\dashv$ | $\vdash$             | 135        | Н              | $\vdash$        | -        |          |          | -        | +            | +        |          |
| <u> </u>   | 37       | <del>                                     </del>  | ├  | -  | $\vdash$   | -              |              | $\vdash$        | Н               | $\dashv$ | . —        | 87       | $\vdash \vdash$ | -        | +       | +   | Н              |          |          | $\dashv$ | $\vdash\vdash$       | 136<br>137 |                | $\vdash \vdash$ | -        |          |          |          | +            | +        |          |
|  | 38       | $\vdash$  | -  | <del> </del>                                 | $\vdash$   |                | $\vdash$     | $\vdash$        |                 | $\dashv$ | $\vdash$   | 88       | $\vdash \vdash$ | +        | +       | +   | $\vdash$       | $\dashv$ | +        | 4        | $\vdash$             | 137        | $\vdash$       | $\vdash \vdash$ | $\dashv$ | $\dashv$ |          |          | +            | $\dashv$ | 닉        |
| <u> </u>   | 39       | ├─  | <del>                                     </del> | $\vdash$                                     | $\vdash$   | <del> </del>   | ┝            | $\vdash$        | $\vdash$        | $\dashv$ | -          | 89       | $\vdash \vdash$ | +        | +       | +   | Н              |          | -        | -        | $\vdash$             | 138        | Н              | $\dashv$        | $\dashv$ | -+       | $\dashv$ | -        | $\dashv$     | $\dashv$ | $\dashv$ |
| <u> </u>   | 40       | ┢   | -  |  | $\vdash$   | $\vdash$       | -            | $\vdash$        | $\vdash$        | $\dashv$ |            | 90       | $\vdash \vdash$ | $\dashv$ | +-      | +   | Н              | $\dashv$ |          | -        | $\vdash$             |            | $\vdash\vdash$ | $\vdash \vdash$ | -+       | $\dashv$ | $\dashv$ | +        | +            | +        | $\dashv$ |
| $\vdash$   | 41       | ├─  | $\vdash$   | H  | $\vdash$   | $\vdash$       | -            | $\vdash$        | Н               | $\dashv$ |            | 91       | $\vdash$        | -        | +       | +   | Н              |          | +        | ┨        | $\vdash$             | 140<br>141 | Н              | ⊢⊹              | -        | $\dashv$ | -        | $\dashv$ | +            | +        | $\dashv$ |
|  | 42       |   | <del> </del>                                     | <u> —                                   </u> | <del>                                     </del> | $\vdash$       | <del> </del> |                 | $\vdash$        | $\dashv$ |            | 92       | $\vdash$        | $\dashv$ | +-      | +-  | $\vdash\vdash$ | -        |          | $\dashv$ | $\vdash \vdash$      | 142        |                | $\dashv$        | $\dashv$ | -        |          | -+       | +            | +        | {        |
| $\vdash$   | 43       | <del>                                     </del>  | Н  |  | $\vdash$   | <del>  -</del> | $\vdash$     | $\vdash$        | $\vdash$        | $\dashv$ |            | 93       | $\vdash$        | +        | +       | +   | $\vdash$       | $\dashv$ | +        | ┨        | $\vdash$             | 143        | $\dashv$       | +               | $\dashv$ | $\dashv$ | $\dashv$ |          | +            | $\dashv$ | $\dashv$ |
|  | 44       | $\vdash$  | Η,   |  | $\vdash$   |                | $\vdash$     | -               | $\vdash$        | $\dashv$ | $\vdash$   | 94       | H               | +        | +       | ╁╌  | Н              | $\dashv$ | +        | $\dashv$ | $\vdash\vdash\vdash$ | 144        | $\dashv$       | $\dashv$        | $\dashv$ | $\dashv$ |          | -+       | +            | $\dashv$ | ᅴ        |
| $\vdash$   | 45       | $\vdash$  | $\vdash$   | $\vdash$                                     | $\vdash$   | -              | -            | $\vdash$        | $\vdash \vdash$ | $\dashv$ | -          | 95       | $\vdash$        |          | +       | +   | $\vdash$       |          | +        | ┨        |                      | 145        | $\dashv$       | -               | +        | $\dashv$ | $\dashv$ | $\dashv$ | +            | +        | $\dashv$ |
| <del></del>                                      | 46       | $\vdash$  | -  |  |  |                | Н            |                 | $\vdash$        | $\dashv$ |            | 96       | $\vdash \vdash$ | +        | +-      | +   | $\vdash$       | $\dashv$ |          | ┨        | $\vdash\vdash$       | 146        | ٠.             | $\dashv$        | -+       | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$     | +        | $\dashv$ |
| $\vdash$   | 47       |   | _  | $\vdash$                                     | $\vdash$   | $\vdash$       | H            | $\vdash$        | $\vdash$        | $\dashv$ |            | 97       | Н               | +        | ╁       | +   | $\vdash$       |          | $\dashv$ | ┨        | <del></del>          | 147        |                | -               | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$     | +        | $\dashv$ |
|  | 48       | $\vdash$  | $\vdash$   | _  |  | Т              | Н            |                 | -               | $\dashv$ | $\vdash$   | 98       | $\vdash$        | +        | +-      | +   | $\vdash$       | $\dashv$ |          | 1        |                      | 148        | $\dashv$       | -               | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +            | +        | ᅱ        |
|  | 49       |   |  |  |  | T              | Н            | П               | -               | $\dashv$ |            | 99       | $\vdash$        | 十        | +       | $\vdash$  | $\vdash$       | +        | $\dashv$ | 1        | $\vdash$             | 149        |                | -               | $\dashv$ | $\dashv$ | $\dashv$ | -+       | $\dashv$     | +        | $\dashv$ |
|  | 50       |   |  |  |  | T              | П            | П               | $\Box$          | $\neg$   |            | 100      | $\vdash$        | $\top$   | +       | 1   | $\vdash$       | $\dashv$ |          | 1        | $\vdash$             | 150        | $\dashv$       | -               | +        | $\dashv$ | $\dashv$ | -+       | +            | +        | $\dashv$ |
|  |          | <b></b>   | ш  |  |  |                |              |                 |                 |          |            |          | لب              | I_       |         | т_  | ш              |          |          | J        | ш                    | 130        |                | LL.             |          | 1        | _1       |          |              |          |          |